

	Facility: Emerald		Plant Area:
Date	Service Event/Repair Performed	Run Hours	Parts Used
08/08/17	Replaced blower with rebuilt unit from M&R electric (previously in storage at emerald)		
08/08/17	Removed selonoid valve, cleaned and lubricated, reinstalled. Tested satisfactorily.		
08/09/17	Rebuilt blower motor failed with one set of phases (phase to phase) shorted. Believed to be caused by line contactor remaining shut after flare shutdown and selonoid valve shut. Flare blower then heated up, melting motor cooling fan and eventually leading to failure.		
08/23/17	Replaced overload and contactor in control cabinet in preparation for new blower ordered this day for FPZ		See master parts list
08/24/17	Installed new gas blower from FPZ. Blower is non biogas rated, standard in stock blower. Purchased due to 8 week lead time for biogas rated upgrade. Performing longevity test.		See master parts list
12/03/17	Repaired flare. Initailly pressure sensor had failed. Replaced with new. Following that, flare would not run. Discovered that selonoid valve was not giving a closed signal to meet the conditions to start (I think). Jumpered input signal which allowed flare to run normally.		
06/12/17	Replaced selonoid valve		See master parts list
06/12/17	Adjusted Sparkers		
07/26/18	Replaced flare blower with new biogas rated blower. Rebuilt blower failed to ground.		See master parts list
11/01/18	Built enclosure around 2/3 of flare frame as protection from temp.		
02/02/19	Changed north igniter and wire, removed gas valve for cleaning and reinstalled		ignitor, wire
08/14/19	Flare clean up/ filter change/ wire check, plug check		cotton ball valve
10/07/19	Pulled, inspected, cleaned and lubed gas valve.		n/a
10/11/19	Replaced pressure switch		see master list
11/13/19	Replaced flare blower motor and wiring inside flare control cabinet.		see master list
11/09/21	Replaced biogas blower	15067:28:54	see master list
12/06/21	Replaced pressure switch	15067:31:38	see master list
12/12/21	Flaring commenced - set to auto	15067:36:29	
12/12/21	Changed flare control setpoints: Membrane Level Setpoint from 80% to 60%, Flare Control Deadband from 10% to 30%	15069:00:00	

FLARE
Reason for Service
Failed Blower
Preventative Maintenance
Failed contactor and possibly overload.
Failed Blower
Flare failed to start
Valve would stick shut when hot. Has been a problem for some time.
Flare failed to light with good gas pressure and valve verified open
Rebuilt motor failed to ground.
Preventative
Flare was failing to ignite.
flare was scheduled for predictive maint
Flare gas valve stuck in closed position, not allowing to open, causing blower motor contactor to trip
Gas valve would not open.
Gas blower motor failure. Burnt wires.
impeller seized
failure